

Author index to volume 245

- Abe, J., K. Matsuda, M. Taka and Y. Shirai, Enhancement of photosensitivity in the alcohol-added ferroin-catalyzed Belousov-Zhabotinsky reaction system 245 (1995) 281
- Addison-Jones, B., see Percival, P.W. 245 (1995) 90
- Akasaka, T., see Kobayashi, K. 245 (1995) 230
- Albert, K., K.M. Neyman, V.A. Nasluzov, S.Ph. Ruzankin, C. Yeretzian and N. Rösch, On the electronic and geometric structure of bimetallic clusters. A comparison of the novel cluster Na_6Pb to Na_6Mg 245 (1995) 671
- Almlöf, J., see Cramer, C.J. 245 (1995) 165
- Alvira, E., J.A. Mayoral and J.I. García, A model for the interaction between β -cyclodextrin and some acrylic esters 245 (1995) 335
- Amatatsu, Y. and K. Morokuma, A theoretical study on the photochemical reaction of ICN in liquid Ar 245 (1995) 469
- Andersson, K., see Roos, B.O. 245 (1995) 215
- Ángyán, J., see Csonka, G.I. 245 (1995) 129
- Anh, N., see Csonka, G.I. 245 (1995) 129
- Anthony, T.R., see Percival, P.W. 245 (1995) 90
- Ayotte, P., see Huels, M.A. 245 (1995) 387
- Bagus, P.S., see Sangaletti, L. 245 (1995) 463
- Bain, C.D., see Braun, R. 245 (1995) 326
- Balasubramanian, K., see Dai, D. 245 (1995) 503
- Ball, S.M., G. Hancock, J.C. Pinot de Moira, C.M. Sadowski and F. Winterbottom, Time-of-flight measurements of the kinetic energies of the $\text{O}_2(\text{a}^1\Delta_g)$ fragment from the photolysis of ozone between 287 and 331 nm 245 (1995) 1
- Bartolotti, L.J. and E.O. Edney, Density functional theory derived intermediates from the OH initiated atmospheric oxidation of toluene 245 (1995) 119
- Bass, A.D., see Huels, M.A. 245 (1995) 387
- Bässler, H., see Haring Bolivar, P. 245 (1995) 534
- Bauschlicher Jr., C.W., see Ricca, A. 245 (1995) 150
- Bauschlicher Jr., C.W. and H. Partridge, A comparison of correlation-consistent and Pople-type basis sets 245 (1995) 158
- Beeby, A., see Eastoe, J. 245 (1995) 571
- Ben-Nun, M., R.D. Levine, D.M. Jonas and G.R. Fleming, Prompt solvent-induced electronic predissociation of femtosecond pumped iodine. A computational study 245 (1995) 629
- Bensasson, R.V., E. Bienvenue, J.-M. Janot, S. Leach, P. Seta, D.I. Schuster, S.R. Wilson and H. Zhao, Photophysical properties of three hydrofullerenes 245 (1995) 566

Author index to volume 245

- Abe, J., K. Matsuda, M. Taka and Y. Shirai, Enhancement of photosensitivity in the alcohol-added ferroin-catalyzed Belousov-Zhabotinsky reaction system 245 (1995) 281
- Addison-Jones, B., see Percival, P.W. 245 (1995) 90
- Akasaka, T., see Kobayashi, K. 245 (1995) 230
- Albert, K., K.M. Neyman, V.A. Nasluzov, S.Ph. Ruzankin, C. Yeretian and N. Rösch, On the electronic and geometric structure of bimetallic clusters. A comparison of the novel cluster Na_6Pb to Na_6Mg 245 (1995) 671
- Almlöf, J., see Cramer, C.J. 245 (1995) 165
- Alvira, E., J.A. Mayoral and J.I. García, A model for the interaction between β -cyclodextrin and some acrylic esters 245 (1995) 335
- Amatatsu, Y. and K. Morokuma, A theoretical study on the photochemical reaction of ICN in liquid Ar 245 (1995) 469
- Andersson, K., see Roos, B.O. 245 (1995) 215
- Ángyán, J., see Csonka, G.I. 245 (1995) 129
- Anh, N., see Csonka, G.I. 245 (1995) 129
- Anthony, T.R., see Percival, P.W. 245 (1995) 90
- Ayotte, P., see Huels, M.A. 245 (1995) 387
- Bagus, P.S., see Sangaletti, L. 245 (1995) 463
- Bain, C.D., see Braun, R. 245 (1995) 326
- Balasubramanian, K., see Dai, D. 245 (1995) 503
- Ball, S.M., G. Hancock, J.C. Pinot de Moira, C.M. Sadowski and F. Winterbottom, Time-of-flight measurements of the kinetic energies of the $\text{O}_2(\text{a}^1\Delta_g)$ fragment from the photolysis of ozone between 287 and 331 nm 245 (1995) 1
- Bartolotti, L.J. and E.O. Edney, Density functional theory derived intermediates from the OH initiated atmospheric oxidation of toluene 245 (1995) 119
- Bass, A.D., see Huels, M.A. 245 (1995) 387
- Bässler, H., see Haring Bolivar, P. 245 (1995) 534
- Bauschlicher Jr., C.W., see Ricca, A. 245 (1995) 150
- Bauschlicher Jr., C.W. and H. Partridge, A comparison of correlation-consistent and Pople-type basis sets 245 (1995) 158
- Beeby, A., see Eastoe, J. 245 (1995) 571
- Ben-Nun, M., R.D. Levine, D.M. Jonas and G.R. Fleming, Prompt solvent-induced electronic predissociation of femtosecond pumped iodine. A computational study 245 (1995) 629
- Bensasson, R.V., E. Bienvenue, J.-M. Janot, S. Leach, P. Seta, D.I. Schuster, S.R. Wilson and H. Zhao, Photophysical properties of three hydrofullerenes 245 (1995) 566

- Bernard, J., see Wrachtrup, J. 245 (1995) 262
- Bernard, J., see Kozankiewicz, B. 245 (1995) 549
- Bienvenue, E., see Bensasson, R.V. 245 (1995) 566
- Binnemans, K. and C. G  rler-Walrand, A simple model for crystal field splittings of the 7F_1 and 3D_1 energy levels of Eu^{3+} 245 (1995) 75
- Bird, D.M., see Kay, M. 245 (1995) 311
- Bloemink, H.I., K. Hinds, J.H. Holloway and A.C. Legon, Characterisation of a pre-reactive intermediate in gas-phase mixtures of fluorine and ammonia: the rotational spectrum of the $\text{H}_3\text{N} \cdots \text{F}_2$ complex 245 (1995) 598
- Bodenhausen, G., see Fu, R. 245 (1995) 415
- Boilot, J.-P., see Riehl, D. 245 (1995) 36
- Botschwina, P., see Schmatz, S. 245 (1995) 136
- Boulon, G., see Foulon, G. 245 (1995) 555
- Brandl, S., see Stadler, S. 245 (1995) 292
- Br  uchle, Ch., see Stadler, S. 245 (1995) 292
- Braun, M. and C. Jana, ^{19}F NMR spectroscopy of fluoridated apatites 245 (1995) 19
- Braun, R., B.D. Casson and C.D. Bain, A sum-frequency study of the two-dimensional phase transition in a monolayer of undecanol on water 245 (1995) 326
- Br  das, J.L., see Ramasesha, S. 245 (1995) 224
- Brenier, A., see Foulon, G. 245 (1995) 555
- Brodovitch, J.-C., see Percival, P.W. 245 (1995) 90
- Brown, R., see Wrachtrup, J. 245 (1995) 262
- Burleigh, D.C. and A.F. Wagner, An adaptation of the log-derivative method to massively parallel computers 245 (1995) 679
- Bylicki, F., A. Delon, R. Georges, A. Pasinski and R. Jost, NO_2 spin splittings and Land   factors around 17000 cm^{-1} : deviation from the Curl relationship 245 (1995) 7
- Campbell, E.E.B., see Rohmund, F. 245 (1995) 237
- Canosa, A., S. Laub  , C. Rebrion, D. Pasquero, J.C. Gomet and B.R. Rowe, Reaction of anthracene with atomic ions of interstellar interest. A FALP measurement at room temperature 245 (1995) 407
- Casson, B.D., see Braun, R. 245 (1995) 326
- Catoire, V., see Chen, J. 245 (1995) 519
- Chaput, F., see Riehl, D. 245 (1995) 36
- Chen, J., V. Catoire and H. Niki, Mechanistic study of the BrCH_2O radical degradation in 700 Torr air 245 (1995) 519
- Chollet, P.-A., see Riehl, D. 245 (1995) 36
- Cohen-Adad, M.T., see Foulon, G. 245 (1995) 555
- Collier, C.P., see Scherer, J.J. 245 (1995) 273
- Conwell, E.M., see Gartstein, Yu.N. 245 (1995) 351
- Cookson, D., see Fullagar, W.K. 245 (1995) 102
- Cramer, C.J., F.J. Dulles, D.J. Giesen and J. Alml  f, Density functional theory: excited states and spin annihilation 245 (1995) 165
- Crooks, E.R., see Eastoe, J. 245 (1995) 571
- Csizmadia, I.G., see Csonka, G.I. 245 (1995) 129
- Csonka, G.I., N. Anh, J.   ngy  n and I.G. Csizmadia, Ab initio and DFT investigations of intramolecular hydrogen bonding in 1,2-ethanediol 245 (1995) 129

- Dai, D., H. Xu and K. Balasubramanian, Electronic states of GeCl^+ 245 (1995) 503
- Danieli, R., see Muccini, M. 245 (1995) 107
- Dantus, M., see Marvet, U. 245 (1995) 393
- Darling, G.R., see Kay, M. 245 (1995) 311
- David, L. and M.J. Field, Adapting the inducible multipole solvation model for use in molecular dynamics simulations 245 (1995) 371
- De Jonge, R., see Flipse, M.C. 245 (1995) 297
- Delon, A., see Bylicki, F. 245 (1995) 7
- De Melo, C.P., see Toto, J.L. 245 (1995) 660
- Depaepe, J.-M. and J.-P. Ryckaert, Isomerization of 1,2-dichloroethane in polar and non-polar solvents 245 (1995) 653
- Depero, L.E., see Sangaletti, L. 245 (1995) 463
- De Schryver, F.C., see Ferencz, A. 245 (1995) 23
- Deussen, M., see Haring Bolivar, P. 245 (1995) 534
- De Villiers, J.-P., see Gortel, Z.W. 245 (1995) 41
- Domcke, W., see Thoss, M. 245 (1995) 364
- Drawdy, J., see Szczepanski, J. 245 (1995) 539
- Drohm, C., H. Meyer and A. Schweig, Kinetics of a monomolecular photoreaction in a strongly light-absorbing solid solution exemplified by the forward reaction of the optically switchable *o*-thiobenzoquinone methide \rightleftharpoons benzo[b]thiete system 245 (1995) 529
- Dulles, F.J., see Cramer, C.J. 245 (1995) 165
- Dutt, G.B., W. Konitsky and D.H. Waldeck, Nonradiative relaxation of 2-phenylindene in solution and its implications for isomerization of stilbenes 245 (1995) 437
- Eastoe, J., E.R. Crooks, A. Beeby and R.K. Heenan, Structure and photophysics in C_{60} -micellar solutions 245 (1995) 571
- Edney, E.O., see Bartolotti, L.J. 245 (1995) 119
- Ejsmont, K., see Kubiak, R. 245 (1995) 249
- Erna, T., see Gentemann, S. 245 (1995) 441
- Fajer, J., see Gentemann, S. 245 (1995) 441
- Fanciulli, M., see Steren, C.A. 245 (1995) 244
- Feiner, F., see Stadler, S. 245 (1995) 292
- Ferencz, A., D. Neher, M. Schulze, G. Wegner, L. Viaene and F.C. De Schryver, Synthesis and spectroscopic properties of phthalocyanine dimers in solution 245 (1995) 23
- Ferriol, M., see Foulon, G. 245 (1995) 555
- Field, M.J., see David, L. 245 (1995) 371
- Fleming, G.R., see Ben-Nun, M. 245 (1995) 629
- Flipse, M.C., R. de Jonge, R.H. Woudenberg, A.W. Marsman, C.A. van Walree and L.W. Jenneskens, The determination of first hyperpolarizabilities β using hyper-Rayleigh scattering: a caveat 245 (1995) 297
- Fonseca, A., see Lambin, Ph. 245 (1995) 85
- Foulon, G., M. Ferriol, A. Brenier, M.T. Cohen-Adad and G. Boulon, Laser heated pedestal growth and optical properties of Yb^{3+} -doped LiNbO_3 single crystal fibers 245 (1995) 555
- Fowler, P.W., see Sadlej, A.J. 245 (1995) 59
- Freudenberg, Th., see Radloff, W. 245 (1995) 400
- Fu, R. and G. Bodenhausen, Broadband decoupling in NMR with frequency-modulated 'chirp' pulses 245 (1995) 415

- Fujimaki, S., see Hiraoka, K. 245 (1995) 14
- Fujisawa, G., see Sato, K. 245 (1995) 432
- Fullagar, W.K., D. Cookson, J.W. Richardson Jr., P.A. Reynolds and J.W. White, Disproportionation of Rb_3C_{60} by ammonia to produce two new ammoniated fullerides 245 (1995) 102
- García, J.I., see Alvira, E. 245 (1995) 335
- Gartstein, Yu.N. and E.M. Conwell, High-field hopping mobility in molecular systems with spatially correlated energetic disorder 245 (1995) 351
- Gentemann, S., C.J. Medforth, T. Ema, N.Y. Nelson, K.M. Smith, J. Fajer and D. Holten, Unusual picosecond $^1(\pi, \pi^*)$ deactivation of ruffled nonplanar porphyrins 245 (1995) 441
- Georges, R., see Bylicki, F. 245 (1995) 7
- Giesen, D.J., see Cramer, C.J. 245 (1995) 165
- Göbel, E.O., see Haring Bolivar, P. 245 (1995) 534
- Gomet, J.C., see Canosa, A. 245 (1995) 407
- Gompper, R., see Stadler, S. 245 (1995) 292
- Görller-Walrand, C., see Binnemans, K. 245 (1995) 75
- Gortel, Z.W. and J.-P. de Villiers, Theoretical investigation of the photodissociation dynamics by the decay of a non-dissociative excited state: application to core-excited N_2 245 (1995) 41
- Grebner, Th.L. and H.J. Neusser, Pulsed field threshold ionization of van der Waals complexes. The dissociation energy of ionic and neutral dibenzo-*p*-dioxin · Ar and · ^{84}Kr 245 (1995) 578
- Grimme, S., see Niederalt, C. 245 (1995) 455
- Gryczynski, I., H. Malak and J.R. Lakowicz, Three-photon induced fluorescence of 2,5-diphenyloxazole with a femtosecond Ti:sapphire laser 245 (1995) 30
- Hancock, G., see Ball, S.M. 245 (1995) 1
- Haring Bolivar, P., G. Wegmann, R. Kersting, M. Deussen, U. Lemmer, R.F. Mahrt, H. Bässler, E.O. Göbel and H. Kurz, Dynamics of excitation transfer in dye doped π -conjugated polymers 245 (1995) 534
- Hase, H. and Y. Miyatake, Comparative ESR study of C_{60} and C_{70} radical anions produced in γ -irradiated organic solid solutions at 77 K 245 (1995) 95
- Hayashi, H., see Sakaguchi, Y. 245 (1995) 591
- Heenan, R.K., see Eastoe, J. 245 (1995) 571
- Heinemann, C., W. Koch and H. Schwarz, An approximate method for treating spin-orbit effects in platinum 245 (1995) 509
- Heinzinger, K., see Tóth, G. 245 (1995) 48
- Henderson, D., A. Trokhymchuk and O. Pizio, Density profiles for dimerizing fluid near a permeable surface 245 (1995) 615
- Hinds, K., see Bloemink, H.I. 245 (1995) 598
- Hiraoka, K., M. Nasu, S. Fujimaki, E.W. Ignacio and S. Yamabe, Weak ion-molecule complexes of $\text{F}^-(\text{CF}_4)_n$ and $\text{CF}_3^-(\text{CF}_4)_n$ 245 (1995) 14
- Holloway, J.H., see Bloemink, H.I. 245 (1995) 598
- Holloway, S., see Kay, M. 245 (1995) 311
- Holten, D., see Gentemann, S. 245 (1995) 441
- Holtz, B., see Powles, J.G. 245 (1995) 178
- Horoytski, P.J., see Percival, P.W. 245 (1995) 90
- Huang, F.Q., see Tang, A.C. 245 (1995) 561
- Hudson, B.S., see Ryu, J. 245 (1995) 448

- Huels, M.A., A.D. Bass, P. Ayotte and L. Sanche, Absolute cross sections for anion production by low energy electron impact on physisorbed CO₂ 245 (1995) 387
- Huisken, F., E.G. Tarakanova, A.A. Vigasin and G.V. Yuhnevich, Vibrational frequency shifts and thermodynamic stabilities of (HF)_n isomers (*n* = 4–8) 245 (1995) 319
- Ignacio, E.W., see Hiraoka, K. 245 (1995) 14
- Ito, M., see Ogasawara, H. 245 (1995) 304
- Jana, C., see Braun, M. 245 (1995) 19
- Janczak, J., see Kubiak, R. 245 (1995) 249
- Janot, J.-M., see Bensasson, R.V. 245 (1995) 566
- Jenneskens, L.W., see Flipse, M.C. 245 (1995) 297
- Ji, F., see Percival, P.W. 245 (1995) 90
- Johnson III, R.D., FO⁺ and FO ab initio vibrational constants 245 (1995) 484
- Jonah, C.D., see Xujia, Z. 245 (1995) 421
- Jonas, D.M., see Ben-Nun, M. 245 (1995) 629
- Jost, R., see Bylicki, F. 245 (1995) 7
- Kajzar, F., see Riehl, D. 245 (1995) 36
- Kay, M., G.R. Darling, S. Holloway, J.A. White and D.M. Bird, Steering effects in non-activated adsorption 245 (1995) 311
- Kersting, R., see Haring Bolivar, P. 245 (1995) 534
- Kieninger, M., see Ventura, O.N. 245 (1995) 488
- Kobayashi, K., S. Nagase and T. Akasaka, A theoretical study of C₈₀ and La₂@C₈₀ 245 (1995) 230
- Koch, W., see Heinemann, C. 245 (1995) 509
- Konitsky, W., see Dutt, G.B. 245 (1995) 437
- Kozankiewicz, B., J. Bernard, E. Migirdicyan, M. Orrit and M.S. Platz, Zero-field splitting of the ground and excited triplet states of 2-naphthylphenylcarbene studied by hole-burning on triplet–triplet fluorescence excitation spectra 245 (1995) 549
- Kruglik, S.G., see Terekhov, S.N. 245 (1995) 268
- Kubiak, R., J. Janczak and K. Ejsmont, On polymorphic and non-polymorphic conversions of phthalocyanines 245 (1995) 249
- Kulkarni, S.A. and S.S. Pundlik, Ab initio study of protonated nitrosamide: a possible intermediate in the deNO_x process 245 (1995) 143
- Kurz, H., see Haring Bolivar, P. 245 (1995) 534
- Lakowicz, J.R., see Gryczynski, I. 245 (1995) 30
- Lambin, Ph., A. Fonseca, J.P. Vigneron, J.B. Nagy and A.A. Lucas, Structural and electronic properties of bent carbon nanotubes 245 (1995) 85
- Laubé, S., see Canosa, A. 245 (1995) 407
- Leach, S., see Bensasson, R.V. 245 (1995) 566
- Lee, S.-Y., Phase recovery and reconstruction of the Raman amplitude from the Raman excitation profile 245 (1995) 620
- Legon, A.C., see Bloemink, H.I. 245 (1995) 598
- Lemmer, U., see Haring Bolivar, P. 245 (1995) 534
- Levine, R.D., see Ben-Nun, M. 245 (1995) 629
- Lévy, Y., see Riehl, D. 245 (1995) 36
- Lin, K.-C., see Wang, C.-C. 245 (1995) 585
- Littlewood, I.M., see Savrda, S.L. 245 (1995) 427
- Lucas, A.A., see Lambin, Ph. 245 (1995) 85

- Mahrt, R.F., see Haring Bolivar, P. 245 (1995) 534
- Makarov, D.E. and M. Topaler, On the transition from electronically nonadiabatic to solvent-controlled electron transfer 245 (1995) 343
- Malak, H., see Gryczynski, I. 245 (1995) 30
- Marsden, C.J., Structures and binding energies of EM_6 clusters ($E = C, Si, Ge, Sn, Pb$; $M = Li, Na, K, Rb, Cs$): $PbNa_6$ is not unique 245 (1995) 475
- Marsman, A.W., see Flipse, M.C. 245 (1995) 297
- Martin, R.M., see Nooney, M. 245 (1995) 377
- Marvet, U. and M. Dantus, Femtosecond photoassociation spectroscopy: coherent bond formation 245 (1995) 393
- Matsuda, K., see Abe, J. 245 (1995) 281
- Mayoral, J.A., see Alvira, E. 245 (1995) 335
- Medforth, C.J., see Gentemann, S. 245 (1995) 441
- Melo, A. and M.J. Ramos, Proton transfer in arginine-carboxylate interactions 245 (1995) 498
- Meyer, H., see Drohm, C. 245 (1995) 529
- Migirdicyan, E., see Kozankiewicz, B. 245 (1995) 549
- Miyatake, Y., see Hase, H. 245 (1995) 95
- Mohn, H., see Muccini, M. 245 (1995) 107
- Morokuma, K., see Amatatsu, Y. 245 (1995) 469
- Mozumder, A., Free-ion yield and electron-ion recombination rate in liquid xenon 245 (1995) 359
- Muccini, M., R. Danieli, R. Zamboni, C. Taliani, H. Mohn, W. Müller and H.U. ter Meer, Location of the lowest exciton in C_{60} single crystal by two-photon excitation spectroscopy 245 (1995) 107
- Mukhopadhyay, D., see Soos, Z.G. 245 (1995) 194
- Müller, W., see Muccini, M. 245 (1995) 107
- Murad, S., see Powles, J.G. 245 (1995) 178
- Nagase, S., see Kobayashi, K. 245 (1995) 230
- Nagy, J.B., see Lambin, Ph. 245 (1995) 85
- Nasluzov, V.A., see Albert, K. 245 (1995) 671
- Nasu, M., see Hiraoka, K. 245 (1995) 14
- Neher, D., see Ferencz, A. 245 (1995) 23
- Nelson, N.Y., see Gentemann, S. 245 (1995) 441
- Nemes, L., see Wang, C.-C. 245 (1995) 585
- Neusser, H.J., see Grebner, Th.L. 245 (1995) 578
- Neyman, K.M., see Albert, K. 245 (1995) 671
- Niederalt, C., S. Grimme and S.D. Peyerimhoff, Ab initio theoretical study of the electronic absorption spectra of polycyclic aromatic hydrocarbon radical cations of naphthalene, anthracene and phenanthrene 245 (1995) 455
- Niki, H., see Chen, J. 245 (1995) 519
- Noack, F., see Radloff, W. 245 (1995) 400
- Nooney, M., J.M. Price, R.M. Martin and A.M. Wodtke, Quantum-state-specific metastable time-of-flight as a probe of CO photodesorption from GaAs(100) 245 (1995) 377
- Ogasawara, H. and M. Ito, Electro-oxidation of methanol on Pt(111) in acid solutions: effects of electrolyte anions during electrocatalytic reactions 245 (1995) 304
- O'Keefe, A., see Scherer, J.J. 245 (1995) 273
- Orrit, M., see Wrachtrup, J. 245 (1995) 262
- Orrit, M., see Kozankiewicz, B. 245 (1995) 549

- Panas, I., Aspects of density functional theory in ab initio quantum chemistry: external correlation for free 245 (1995) 171
- Parmigiani, F., see Sangaletti, L. 245 (1995) 463
- Partridge, H., see Bauschlicher Jr., C.W. 245 (1995) 158
- Pasinski, A., see Bylicki, F. 245 (1995) 7
- Pasquero, D., see Canosa, A. 245 (1995) 407
- Paul, J.B., see Scherer, J.J. 245 (1995) 273
- Percival, P.W., B. Addison-Jones, J.-C. Brodovitch, F. Ji, P.J. Horoyksi, M.L.W. Thewalt and T.R. Anthony, ^{13}C hyperfine coupling constants in MuC_{60} 245 (1995) 90
- Peyerimhoff, S.D., see Niederal, C. 245 (1995) 455
- Pinot de Moira, J.C., see Ball, S.M. 245 (1995) 1
- Pizio, O., see Henderson, D. 245 (1995) 615
- Platz, M.S., see Kozankiewicz, B. 245 (1995) 549
- Powles, J.G., S. Murad and B. Holtz, A novel osmotic pressure route to the activity coefficient of a molecule in a solution 245 (1995) 178
- Price, J.M., see Nooney, M. 245 (1995) 377
- Pundlik, S.S., see Kulkarni, S.A. 245 (1995) 143
- Radloff, W., Th. Freudenberg, H.-H. Ritze, V. Stert, K. Weyers and F. Noack, Femtosecond dynamics of benzene(NH_3)_n complexes in highly excited states 245 (1995) 400
- Radom, L., see Smith, B.J. 245 (1995) 123
- Rajgara, F.A., see Ravindra Kumar, G. 245 (1995) 287
- Rakestraw, D.J., see Scherer, J.J. 245 (1995) 273
- Ramasesha, S., Z. Shuai and J.L. Brédas, Correction vector method for exact dynamic NLO coefficients in restricted configuration space 245 (1995) 224
- Ramos, M.J., see Melo, A. 245 (1995) 498
- Rangwala, S.A., see Ravindra Kumar, G. 245 (1995) 287
- Ravindra Kumar, G., F.A. Rajgara and S.A. Rangwala, Optical nonlinearity in a mode-locking dye: optical limiting and four wave mixing 245 (1995) 287
- Rebrion, C., see Canosa, A. 245 (1995) 407
- Rempel, U., B. von Maltzan and C. von Borczyskowski, Competition between charge transfer via superexchange and thermally activated energy transfer in porphyrin-heterodimer-quinone systems 245 (1995) 253
- Reynolds, P.A., see Fullagar, W.K. 245 (1995) 102
- Ricca, A. and C.W. Bauschlicher Jr., The MCH_2^+ systems: do ScCH_2^+ and TiCH_2^+ have C_{∞} or C_{2v} symmetry and a comparison of the B3LYP method to other approaches 245 (1995) 150
- Richardson Jr., J.W., see Fullagar, W.K. 245 (1995) 102
- Riehl, D., F. Chaput, Y. Lévy, J.-P. Boilot, F. Kajzar and P.-A. Chollet, Second-order optical nonlinearities of azo chromophores covalently attached to a sol-gel matrix 245 (1995) 36
- Rips, I., Electron solvation dynamics in polar liquids 245 (1995) 79
- Ritze, H.-H., see Radloff, W. 245 (1995) 400
- Rodrigues, S.P.J., see Varandas, A.J.C. 245 (1995) 66
- Rohlfing, C.M., A theoretical study of HClO_3 isomers 245 (1995) 665
- Rohmund, F. and E.E.B. Campbell, Charge transfer collisions between C_{60}^{2+} and C_{60} 245 (1995) 237
- Roos, B.O. and K. Andersson, Multiconfigurational perturbation theory with level shift – the Cr_2 potential revisited 245 (1995) 215
- Rösch, N., see Albert, K. 245 (1995) 671
- Rowe, B.R., see Canosa, A. 245 (1995) 407

- Ruzankin, S.Ph., see Albert, K. 245 (1995) 671
- Ryckaert, J.-P., see Depaepe, J.-M. 245 (1995) 653
- Ryu, J. and B.S. Hudson, A new interpretation of the electronic spectrum of ethylene from 6–8 eV 245 (1995) 448
- Saalfank, P., see Scheurer, C. 245 (1995) 201
- Sadlej, A.J. and P.W. Fowler, Single-photon pair excitations in weakly interacting systems 245 (1995) 59
- Sadowski, C.M., see Ball, S.M. 245 (1995) 1
- Saito, S.L., Calculation of positronium compounds, PsLi, PsF, and PsCl, by second-order variational perturbation method 245 (1995) 54
- Sakaguchi, Y. and H. Hayashi, Magnetic field effects on the photodissociation reaction of triphenylphosphine in non-viscous homogeneous solutions 245 (1995) 591
- Sanche, L., see Huels, M.A. 245 (1995) 387
- Sangaletti, L., L.E. Depero, P.S. Bagus and F. Parmigiani, A proper Anderson Hamiltonian treatment of the 3s photoelectron spectra of MnO, FeO, CoO and NiO 245 (1995) 463
- Sato, K., S. Tsunashima, T. Takayanagi, G. Fujisawa and A. Yokoyama, Rotational state distribution of HCl formed in the infrared multiphoton dissociation of trichloroethene 245 (1995) 432
- Savrdá, S.L. and I.M. Littlewood, Electronic quenching of the A $^1\Sigma^+$ state of NaH 245 (1995) 427
- Saykally, R.J., see Scherer, J.J. 245 (1995) 273
- Scherer, J.J., D. Voelkel, D.J. Rakestraw, J.B. Paul, C.P. Collier, R.J. Saykally and A. O'Keefe, Infrared cavity ringdown laser absorption spectroscopy (IR-CRLAS) 245 (1995) 273
- Scheurer, C. and P. Saalfank, Density matrix model for hydrogen transfer in the benzoic acid dimer 245 (1995) 201
- Schmatz, S. and P. Botschwina, Coupled cluster calculations for linear C_8^- ($\tilde{X}^2\Pi_g$ and $\tilde{C}^2\Pi_u$) and C_8 ($\tilde{X}^3\Sigma_g^-$) 245 (1995) 136
- Schulze, M., see Ferencz, A. 245 (1995) 23
- Schuster, D.I., see Bensasson, R.V. 245 (1995) 566
- Schwarz, H., see Heinemann, C. 245 (1995) 509
- Schweig, A., see Drohm, C. 245 (1995) 529
- Seta, P., see Bensasson, R.V. 245 (1995) 566
- Shirai, Y., see Abe, J. 245 (1995) 281
- Shuai, Z., see Ramasesha, S. 245 (1995) 224
- Shushin, A.I., On the antiphase structure of the ESR spectra of spin-correlated radical pairs. Dependence on dimensionality 245 (1995) 183
- Shushin, A.I., Effect of the superposition of weak and strong collisions on unimolecular reaction rate 245 (1995) 189
- Smith, B.J. and L. Radom, Gas-phase acidities: a comparison of density functional, MP2, MP4, F4, G2(MP2, SVP), G2(MP2) and G2 procedures 245 (1995) 123
- Smith, K.M., see Gentemann, S. 245 (1995) 441
- Snow, T.P., Comments on two-photon absorption by H_2 molecules as a source of diffuse interstellar bands 245 (1995) 639
- Son, M.-S. and Y.K. Sung, The atom–atom potential. Exohedral and endohedral complexation energies of complexes of $X@C_{60}$ between fullerene and rare-gas atoms ($X = He, Ne, Ar, Kr, and Xe$) 245 (1995) 113
- Soos, Z.G. and D. Mukhopadhyay, Infrared intensity and charge transfer in hydrogen dimers 245 (1995) 194
- Stadler, S., F. Feiner, Ch. Bräuchle, S. Brandl and R. Gompfer, Determination of the first hyperpolarizability of four octupolar molecules and their dipolar subunits via hyper-Rayleigh scattering in solution 245 (1995) 292

- Steren, C.A., H. van Willigen and M. Fanciulli, Photoinduced spin polarization of paramagnetic centers in solid C_{60} 245 (1995) 244
- Stert, V., see Radloff, W. 245 (1995) 400
- Stewart, B., Scaling of rovibrationally inelastic rate constants for rapidly rotating molecules 245 (1995) 643
- Sung, Y.K., see Son, M.-S. 245 (1995) 113
- Syage, J.A., Angle-velocity-resolved measurements of $I(^2P_{3/2,1/2})$ from $(CH_3I)_n$ cluster photodissociation at 266 and 304 nm 245 (1995) 605
- Szczepanski, J., J. Drawdy, C. Wehlburg and M. Vala, Vibrational and electronic spectra of matrix-isolated tetracene cations 245 (1995) 539
- Taka, M., see Abe, J. 245 (1995) 281
- Takayanagi, T., see Sato, K. 245 (1995) 432
- Taliani, C., see Muccini, M. 245 (1995) 107
- Tang, A.C. and F.Q. Huang, Group theoretical applications to icosahedral fullerenes 245 (1995) 561
- Tarakanova, E.G., see Huisken, F. 245 (1995) 319
- Terekhov, S.N. and S.G. Kruglik, Photoreduction of ferric-tetraphenylporphyrin in oxygen-containing solvents revealed by resonance Raman and absorption spectroscopy 245 (1995) 268
- Ter Meer, H.U., see Muccini, M. 245 (1995) 107
- Thewalt, M.L.W., see Percival, P.W. 245 (1995) 90
- Thoss, M. and W. Domcke, A model for the quantum dynamics of Rydberg states of large molecules 245 (1995) 364
- Topaler, M., see Makarov, D.E. 245 (1995) 343
- Tóth, G. and K. Heinzinger, Molecular dynamics study of an iodide and a lithium ion at the water-liquid mercury interface 245 (1995) 48
- Toto, J.L., T.T. Toto and C.P. de Melo, A comparative study of the effect of electron correlation in the hyperpolarizability of polyyne, polyacetylene and polypyrrole oligomers 245 (1995) 660
- Toto, T.T., see Toto, J.L. 245 (1995) 660
- Trokhymchuk, A., see Henderson, D. 245 (1995) 615
- Tsunashima, S., see Sato, K. 245 (1995) 432
- Vala, M., see Szczepanski, J. 245 (1995) 539
- Van Walree, C.A., see Flipse, M.C. 245 (1995) 297
- Van Willigen, H., see Steren, C.A. 245 (1995) 244
- Van Wüllen, C., A hybrid method for the evaluation of the matrix elements of the Coulomb potential 245 (1995) 648
- Varandas, A.J.C. and S.P.J. Rodrigues, Internuclear dependence of static dipole polarizability in diatomic molecules 245 (1995) 66
- Ventura, O.N. and M. Kieninger, The FO_2 radical: a new success of density functional theory 245 (1995) 488
- Viaene, L., see Ferencz, A. 245 (1995) 23
- Vigasín, A.A., see Huisken, F. 245 (1995) 319
- Vigneron, J.P., see Lambin, Ph. 245 (1995) 85
- Voelkel, D., see Scherer, J.J. 245 (1995) 273
- Von Borczyskowski, C., see Rempel, U. 245 (1995) 253
- Von Borczyskowski, C., see Wrachtrup, J. 245 (1995) 262
- Von Maltzan, B., see Rempel, U. 245 (1995) 253
- Von Szentpály, L., Valence states and a universal potential energy curve for covalent and ionic bonds 245 (1995) 209

- Wagner, A.F., see Burleigh, D.C. 245 (1995) 679
- Waldeck, D.H., see Dutt, G.B. 245 (1995) 437
- Wang, C.-C., L. Nemes and K.-C. Lin, New observations on the B state of the CH radical from UV multiphoton dissociation of ketene 245 (1995) 585
- Wegmann, G., see Haring Bolivar, P. 245 (1995) 534
- Wegner, G., see Ferencz, A. 245 (1995) 23
- Wehlburg, C., see Szczepanski, J. 245 (1995) 539
- Weyers, K., see Radloff, W. 245 (1995) 400
- White, J.A., see Kay, M. 245 (1995) 311
- White, J.W., see Fullagar, W.K. 245 (1995) 102
- Wilson, S.R., see Bensasson, R.V. 245 (1995) 566
- Winterbottom, F., see Ball, S.M. 245 (1995) 1
- Wodtke, A.M., see Nooney, M. 245 (1995) 377
- Woudenberg, R.H., see Flipse, M.C. 245 (1995) 297
- Wrachtrup, J., C. von Borczyskowski, J. Bernard, R. Brown and M. Orrit, Hahn echo experiments on a single triplet electron spin 245 (1995) 262
- Xu, H., see Dai, D. 245 (1995) 503
- Xujia, Z. and C.D. Jonah, Temperature dependence of the benzophenone anion solvation in 1-propanol 245 (1995) 421
- Yamabe, S., see Hiraoka, K. 245 (1995) 14
- Yeretzian, C., see Albert, K. 245 (1995) 671
- Yokoyama, A., see Sato, K. 245 (1995) 432
- Yukhnovich, G.V., see Huisken, F. 245 (1995) 319
- Zamboni, R., see Muccini, M. 245 (1995) 107
- Zhao, H., see Bensasson, R.V. 245 (1995) 566